



















~~1893-B~~

Yorkshire Philosophical Society.

---

ANNUAL REPORT

FOR

MDCCCXXXIII.





# ANNUAL REPORT

OF THE COUNCIL

OF THE

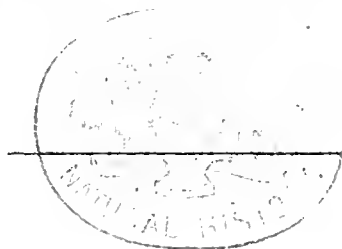
**Yorkshire Philosophical Society**

FOR

MDCCCXXXIII.

PRESENTED TO THE ANNUAL MEETING

FEBRUARY 4TH, 1834.



YORK:

THOMAS WILSON AND SONS, HIGH-OUSEGATE.

---

1834.



## CONTENTS.

---

	Page.
LIST OF THE TRUSTEES, PATRONS, OFFICERS, &c. ...	v
REPORT OF THE COUNCIL .....	1
TREASURER'S ANNUAL ACCOUNTS .....	8
SCIENTIFIC COMMUNICATIONS .....	12
DONATIONS TO THE MUSEUM .....	13
DONATIONS TO THE LIBRARY .....	18
NEW MEMBERS .....	21
DONATION.....	21

FORM OF A  
BEQUEST TO THE SOCIETY.

---

EVERY person desirous of bequeathing to the Society any sum of Money, Specimens, Books, Instruments, or other Property, is requested to make use of the following form :

*I give and bequeath to the Trustees, for the time being, of the Society established at York, called “ THE YORKSHIRE PHILOSOPHICAL SOCIETY,” for the use of the said Society, the sum of \_\_\_\_\_ to be paid out of such part of my personal estate, as I may legally charge therewith. [Or here enumerate the effects or property intended to be bequeathed.] And I direct that the receipt of the Treasurer of the said Society for the time being, shall be an effectual discharge to my Executors for the said legacy.*

TRUSTEES  
OF  
THE YORKSHIRE MUSEUM,  
APPOINTED BY THE ROYAL GRANT.

---

HIS GRACE THE ARCHBISHOP OF YORK.  
EARL OF CARLISLE.

EARL FITZWILLIAM, F.R.S., F.S.A.

EARL DE GREY.

HON. AND VERY REV. THE DEAN OF LICHFIELD.

FRANCIS CHOLMELEY, ESQ.

ROBERT DENISON, ESQ.

REV. W. VERNON HARCOURT, F.R.S.

WILLIAM HATFEILD, ESQ. F.G.S.

EUSTACHIUS STRICKLAND, ESQ.

RICHARD JOHN THOMPSON, ESQ.

WILLIAM WRIGHT, ESQ.

PATRONS  
OF  
THE YORKSHIRE PHILOSOPHICAL SOCIETY.

---

HIS GRACE THE ARCHBISHOP OF YORK.  
EARL OF CARLISLE.  
EARL OF TYRCONNEL, F.G.S.  
VISCOUNT MORPETH.  
EARL FITZWILLIAM, F.R.S.  
LORD STOURTON.  
LORD WHARNCLIFFE.

---

OFFICERS OF THE SOCIETY.

---

PRESIDENT :

EARL FITZWILLIAM, F.R.S., F.S.A., &c. &c.

VICE-PRESIDENTS :

EARL OF TYRCONNEL, F.G.S.

REV. JOHN GRAHAM.

JONATHAN GRAY.

WM. HATFEILD, F.G.S.

EUSTACHIUS STRICKLAND.

JONAH WASSE, M.D.

---

TREASURER :

JONATHAN GRAY.



COUNCIL:

Elected 1831 ..... REV. WILLIAM FLOWER, JUN.

Elected 1832 ..... REV. JOHN BAINES GRAHAM.

REV. W. VERNON HARCOURT, F.R.S., &c.

Elected 1833 ..... THOMAS ALLIS.

HENRY ROBINSON.

REV. I. J. D. PRESTON, F.C.P.S., &c.

BALDWIN WAKE, M.D.

Elected 1834 ..... REV. D. F. MARKHAM.

JOHN BROOK.

W. L. NEWMAN.

G. H. SEYMOUR.

---

SECRETARIES:

WILLIAM GRAY, JUN.

JOHN PHILLIPS, F.R.S., G.S., &c.

## CURATORS:

REV. JOHN GRAHAM	...	GEOLGY.
WILLIAM HATFEILD, F.G.S.	...	MINERALOGY.
JAMES ATKINSON	... ..	COMPARATIVE ANATOMY.
THOMAS ALLIS	...	} ORNITHOLOGY.
REV. J. B. GRAHAM	...	
REV. I. J. D. PRESTON, F.C.P.S.		ENTOMOLOGY.
REV. W. HINCKS, F.L.S.	...	BOTANY.
REV. C. WELLBELOVED	...	ANTIQUITIES AND COINS.
REV. WILLIAM LUND	...	LIBRARY.

---

KEEPER OF THE MUSEUM:

JOHN PHILLIPS, F.R.S., G.S., &c.

---

## SUB-CURATOR:

HENRY BAINES.

# REPORT

OF

## THE COUNCIL.

---

IN presenting to the Annual Meeting the Report of the augmented scientific resources which the past year has placed at the disposal of the Yorkshire Philosophical Society, the Council rejoice to be able to state that the approbation of the public, and the interest of the Members, have in no degree diminished. The Museum has been enriched by new acquisitions, the Laboratory has been well and abundantly furnished, the Observatory has been put into active operation, and the labours of the Committees for Science have been assiduous and productive.

These great and permanent advantages have been derived not from any unusual employment of the Annual Income, but from the generous aid and voluntary contribution of the unwearied friends of this Institution. In consequence, the Council have the gratification of presenting a more favourable statement of accounts than for a long time has appeared, and they see no reason why this advantageous posture of the affairs of the Society should not be still further improved in subsequent years.

The Lists of DONATIONS to the Museum and Library will make known the extent and value of the contributions: the Council, however, can not forbear to call attention in a parti-

cular manner to the important and complete series of crag fossils from near Woodbridge,<sup>1</sup> and the interesting suite of bones of elephant, rhinoceros, &c. from the diluvium of Ilford, contributed by one of the first explorers of Kirkdale Cave.<sup>2</sup> In noticing the fine head of a fish from the London clay of Sheerness, the Council feel a deep regret that this must be the last of a long series of favours received from that liberal and disinterested patron of natural science, the late William Danby, Esq. of Swinton.

The MINERALOGICAL collection has been made much more complete than before, through the kindness of the Marquis of Northampton in giving many of the rarer minerals of Vesuvius, whose history he has investigated with so much zeal and success.

The state of the ZOOLOGICAL collection is a subject of less congratulation. So far as the present cases would admit new specimens have been introduced, and in particular the exhibition of corals and shells has been materially improved; but it has been found necessary to suspend altogether the labours which were begun in the departments of Entomology and Ornithology. Until the central Museum be fitted up in a suitable manner, this interesting and popular part of our collections must remain in its present very imperfect and unsatisfactory state, and it is the painful duty of the officers of the Institution to declare that it would be altogether useless to accept donations of specimens, for even the safety of which they can not make themselves responsible.<sup>3</sup>

---

<sup>1</sup> Presented by the Rev. J. Graham.      <sup>2</sup> Mr. Gibson of Stratford.

<sup>3</sup> In consequence of the directions of the Annual Meeting, for which see page 11, the Council have taken measures for the immediate and complete fitting-up of the Zoological Museum.

In pursuance of the direction of the Annual Meeting in 1832, the Council have applied for subscriptions to remove this the only impediment in the way of the complete accomplishment of the plans of the Society ; and in consequence £.179 has been subscribed. The expense of the whole work is estimated at £.450 ; and it is the decided opinion of every person connected with the Zoological department that it will be highly advantageous to execute the whole work at once. Under these circumstances the Council have thought it right to appeal to the present Meeting for directions as to further proceedings. They may add, that, in order to aid in the execution of this desirable work, Mr. Phillips has proposed to place half the proceeds of his Course of Lectures on the Natural History of Animals, to be delivered in the ensuing month, at the disposal of the Society.

By the munificence of one of the first friends of the Society, the Earl of Tyrconnel, the Laboratory is now become completely furnished with every requisite for the active prosecution of original researches, as well as for the illustration of public lectures, and there is good ground for hope that the attractive and useful science of Chemistry will by these means become familiar to our Members : this will be the most appropriate acknowledgment of their sense of the motives which dictated this truly noble gift.

The Council have again to acknowledge the liberality of the Rev. W. Hincks, in devoting the proceeds of a Short Course of Lectures on Botany to the improvement of the Garden.

The METEOROLOGICAL Committee present the following table of the oscillations of the barometer for 1833, for comparison with that in the Report for 1832. The heights are reduced to 32° F. by Schumacher's Tables.

REPORT OF

	8 a. m.	9 a. m.	10 a. m.	3 p. m.	4 p. m.	6 p. m.	9 p. m.	10 p. m.
January	—	30.2733	—	—0221	—	—0261	+0029	—
February	—	29.4603	—	—0141	—	—0101	—0061	—
March	—0043	29.9010	—0003	—	—0023	—	+0192	+0221
April	+0123	29.6443	—0050	—	—0180	—	+0075	+0099
May	+0059	30.0786	—0024	—	—0279	—	+0059	+0182
June	+0079	29.7404	+0051	—	+0038	—	+0040	+0038
July	+0011	29.9670	+0027	—	—0050	—	+0205	+0228
August	+0008	29.9121	+0003	—	—0135	—	—0140	—0152
September	—0069	29.8757	—0118	—	—0300	—	—0344	—0304
October	—0015	29.7969	—0057	—	—0237	—	—0138	—0139
November	—0003	29.8587	+0093	—	—0302	—	—0001	—0001
December	—0040	29.5257	+0039	—	+0019	—	+0141	+0150
General Mean		29.83610		(—01810)		(01810)	+00054	
Mean of 10 mo.	+00110	29.83004	—00039	—	—01449	—	+00089	+00222
March to July	+00458	29.86626	+00002	—	—00988	—	+01142	+01536
Aug. to Dec.	—00238	29.79382	—00080	—	—01910	—	—00964	+00892
Difference	.00686		.00082		.00922		.00178	.00644

Combining this Table with that for 1832, we have the following annual results; the height at 4 p. m. being made zero.

8 a. m.	9 a. m.	4 p. m.	9 p. m.	10 p. m.
+0152	+0178	0000	+0170	+0157

The ANTIQUARIAN department of the Museum has received some interesting additions; the most important of which it owes to the liberality of the late Lord Mayor, and the Corporation of York; who have presented to the Society a large collection of fragments of Roman pottery, and other Roman remains of various kinds, discovered on the removal of the rampart of the city walls near Bootham Bar. Among these is a stone formerly belonging to the temple of Serapis, and bearing an inscription to that deity. This remarkable relic, which was found about the middle of the last century on the premises in Tanner Row, lately occupied by John Telford, Esq., and was afterwards in the possession of B. Smith, Esq. of New Buildings, had been for many years unseen, and supposed to be lost, but was brought to light again by the workmen employed in removing the house in the Mint Yard, in which the well known antiquary, Mr. T. Beckwith resided. It has happily now found a secure, and, it is to be hoped, a lasting resting-place, among other monuments of Roman art, superstition, or power.

The Antiquarian Committee regret to state that the hope expressed by them in the last Annual Report has not been realized. Few replies to the queries so extensively circulated by them have been received. They cannot, however, allow themselves to believe that replies may not yet be expected. The queries are numerous, and many of them require time and pains in order to be fully answered. As it is not possible that the object they have in view, and which they have so distinctly stated, should be deemed unimportant and unworthy of attention, by the many enlightened persons whose assistance they have solicited, they still look for such returns as shall enable them to fulfil the design of the Society in their appointment. In the mean time they gratefully acknowledge the zeal and liberality of the Ven. Archdeacon Todd, who has already in various ways rendered them the most valuable

aid, and has kindly put into their hands for the use of the Society, fifty copies of a very interesting and instructive topographical map, illustrating the ancient roads and earth-works near Langton, in the East Riding of this county.

The Council have the gratification to state that the arrangements for the proper employment of the valuable instruments presented by Dr. Pearson are complete, and that a Committee of observers has been appointed, who have entered on their work with a zeal and perseverance which it may be hoped will make this establishment not only useful in its immediate neighbourhood, but also of service to the general progress of astronomy. The subscriptions for the Observatory have fallen considerably short of the cost of its construction; but the Committee hope that the deficiency may yet be supplied by additional contributions.

It is proper to mention that the current expenses of this and the other Committees for science and antiquities, appointed by the Council, are not charged in the Account of the Institution.

On the state of the Society's finances the Council have to remark that during the past year they have succeeded, without much inconvenience, in reducing the expenditure to about £.70 less than the income, and that the result of their efforts would have appeared still more favourable but for the serious damage done to the building by the late violent storms. In the expenses of the year occur some items which will not be repeated, and some charges which may be yet further slightly diminished. The Council have not formed this opinion lightly, or upon a cursory investigation. They have already proposed an arrangement by which, without any injury to the utility of the establishment, and without unreasonable burden on the officers, some real saving may be effected



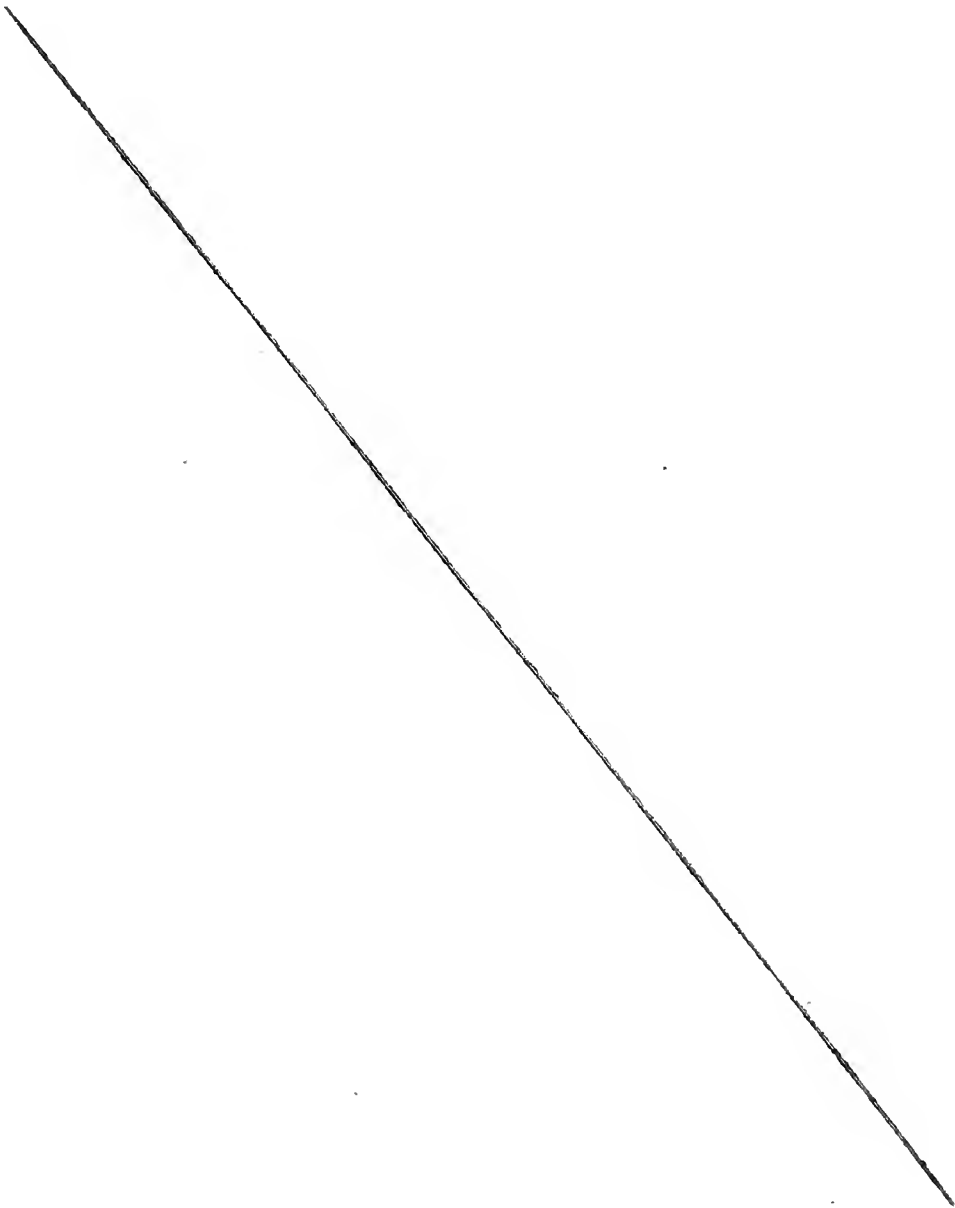
in the expenses of the garden, of lighting and warming the Museum, and in the preparation of zoological specimens. From all these sources they venture to state that a further reduction upon the necessary expenditure may be realized to the extent of £.30 annually.

On the General Account it will appear that the debt is reduced. This reduction would have been more considerable than it is, had it not been thought advisable to supply the deficiency of subscriptions formerly appropriated to the zoological establishment, and to the excavation of the multangular tower ; a certain part of the expenses attending the erection of the Observatory has also been placed in this account. To prevent the occurrence of such irregular charges in future, the Council have resolved that no works about the Museum or garden, proposed to be executed by the contributions of any of the members, shall be undertaken, until the whole sum required to defray the expense, be actually paid to the officers of the Society, as a security against eventual loss to the Institution at large.

The Meeting is now in possession of all the facts concerning the employment of their funds during the past year. The Annual Expenditure is diminished, the debt is reduced, and by a sure though slow process of rigid economy it may be wholly removed. But there is a most urgent demand for the completion of a valuable and popular part of the Museum, and the subscription for this purpose is at present inadequate to the object. It is for this Meeting to direct what steps shall now be taken to maintain the scientific reputation of the Society, without increasing its pecuniary embarrassments.

RECEIPTS.

						£.	s.	d.
Annual Subscriptions from 222 Members at 2 <i>l</i> .	...	...	...	...	...	444	0	0
Ditto from 5 at 1 <i>l</i> .	...	...	...	...	...	5	0	0
From Ladies, being Annual Subscribers	...	...	...	...	...	24	0	0
For Keys of Garden	...	...	...	...	...	10	5	0
Proceeds of Mr. Addams' Lectures	...	...	...	...	...	9	0	0
Balance due to the Treasurer	...	...	...	...	...	13	1	4



£. 505 6 4

Due to the Society on this Account for Arrears ... £. 84 0 0

## P A Y M E N T S.

					£.	s.	d.	£.	s.	d.
Rent to the Crown	...	...	...	...	1	0	8			
Rent to the Corporation	...	...	...	...	6	12	6			
Rates	...	...	...	...	14	0	8			
Water rent	...	...	...	...	4	4	0			
Insurance	...	...	...	...	5	0	0			
					<hr/>			30	17	10
Salaries and Wages:										
Keeper of the Museum	...	...	...	...	100	0	0			
Sub-curator	...	...	...	...	65	0	0			
Lodge-keeper	...	...	...	...	10	0	0			
Collector and Messenger	...	...	...	...	1	11	6			
Labourer	...	...	...	...	36	8	0			
					<hr/>			212	19	6
Printing and Advertising:										
Report for 1832	...	...	..	...	12	2	0			
Miscellaneous Printing for Lectures, &c.	...	...	...	...	11	9	6			
Advertisements for Lectures	...	...	...	...	0	13	0			
					<hr/>			24	4	6
Stationery:	..	...	...	...	...	...	...	3	8	0
Books and Binding:										
Books	...	...	...	...	37	6	0			
Binding	..	...	...	...	2	15	11			
					<hr/>			40	1	11
Incidents, Carriage, Postage, &c.	...	...	...	...	39	7	0			
Small Bills and Miscellaneous	...	...	...	...	24	5	7			
Fittings-up in the Museum	...	...	...	...	13	6	0			
Garden	...	...	...	...	3	14	5			
Garden Engine	...	...	...	...	3	7	0			
Gas, one year	...	...	...	...	10	17	0			
Coke and Coal	...	...	...	...	12	19	0			
Museum and Laboratory	...	...	...	...	6	8	7			
					<hr/>			114	4	7
Interest on debt	...	...	...	...	...	...	...	79	10	0
					<hr/>			<hr/>		
								£.505	6	4
								<hr/>		

# GENERAL ACCOUNT.

	£.	s.	d.		£.	s.	d.
Received Arrears of Annual Subscriptions.....	60	0	0	Due to the Treasurer on the Annual Account, 1832.....	78	18	1
..... Donation by F. Chantrey, Esq.....	50	0	0	.... on the General Account, 1832.....	1804	13	2
..... Composition from one Member .....	20	0	0	.... on the Annual Account of 1833.....	13	1	4
..... Admission of nine New Members.....	27	0	0	Deficit of the Zoological Subscription .....	11	3	7
..... For Books of St. Mary's Abbey .....	8	0	0	..... of the Subscription for Excavating the Multangular Tower .....	11	18	9
Balance due to the Treasurer	1787	12	1	Carriage of Instruments, Advertising, and certain parts of the interior Fittings of the Observatory.....	32	17	2
	1952	12	1		1952	12	1

## Arrears due to the Society.

	£.	s.	d.
Subscriptions to the Building Fund .....	33	2	0
For History of St. Mary's Abbey .....	15	0	0
Annual Subscriptions of preceding years .....	110	0	0
Annual Subscriptions of 1833 .....	84	0	0
	242	2	0
Final Balance against the Society .....	£.1545	10	1

AT THE ANNUAL MEETING  
OF THE  
YORKSHIRE PHILOSOPHICAL SOCIETY,

FEBRUARY 4, 1834,

FRANCIS CHOLMELEY, Esq. in the Chair,

(After the Resolutions of the last Annual Meeting, relative to the fitting-up of the Zoological Room had been read, and several Members had addressed the Meeting),

IT WAS RESOLVED UNANIMOUSLY, on the Motion of JONA. GRAY, Esq.; seconded by the Rev. W. VERNON HARCOURT:

That in consequence of the increasing pressure of the difficulty in providing for the reception and arrangement of the Zoological Collections, and the inadequacy of the present amount of subscriptions for the fitting-up of the Central Museum, further contributions be earnestly solicited, but that in the present state of the finances of the Society, oppressed by a heavy debt, it is not expedient that the work be commenced until the subscriptions amount to at least £.250.

# SCIENTIFIC COMMUNICATIONS

TO THE

## GENERAL MEETINGS.

---

**JANUARY, 1833.**—On the Series of Strata in Yorkshire, (a general section, drawn to scale and coloured, was exhibited to the Meeting,) by John Phillips, F.G.S.

**FEBRUARY.**—Summaries of Meteorological Observations for the year 1832; at Brandsby, by Francis Cholmeley, Esq., at Huggate, by the Rev. T. Rankin, at Ackworth, by Robert Whitaker.

**MARCH.**—General View of the results of twelve months' observations on the quantities of rain which fall upon the top of York Minster, upon the top of the Yorkshire Museum, and on the ground adjacent, by John Phillips, F.G.S. (The observations made by Mr. Wm. Gray, jun. and John Phillips, F.G.S.)

**APRIL.**—On a new construction of the Electrophorus of Volta, by John Phillips, F.G.S.

On the Roman Sepulchre, recently discovered near Dringhouses, by the Rev. C. Wellbeloved.

**MAY.**—On the Geology of Wensleydale, by John Phillips, F.G.S.

**JULY.**—Notice of the Inscription to Serapis, and other antiquarian curiosities, lately discovered in the Mint Yard, by the Rev. C. Wellbeloved.

**NOVEMBER.**—Notice of observations on the Aurora Borealis of the 17th of Sept. and the 12th of Oct., by John Phillips, F.G.S.

Notice concerning the Institution of Experiments at Low Moor and Elsecar, Yorkshire, on the effects of long-continued high temperature, in changing the chemical and molecular constitution of rocks, minerals, &c., by the Rev. W. V. Harcourt, F.R.S.

**DECEMBER.**—On the mechanical advantages for movement resulting to birds from the construction of their respiratory apparatus, by Thomas Allis.

**JANUARY, 1834.**—Account of Measurements to determine the rate of waste of the coast of Yorkshire, from Bridlington to Spurn Point, by the Rev. T. Hatfield.

# DONATIONS

TO

## THE SOCIETY'S MUSEUM.

---

### GEOLOGY.

- J. H. Abraham, F.L.S. ... Pecopteris from Wentworth, stalagmite from Winster, conglomerate from St. Albans.
- Mr. R. Burdekin ... Calamites decoratus, Bradford.
- J. W. Childers, Esq. ... Tooth of elephas primigenius, horn of cervus from Val d'Arno.
- Mr. F. J. Copsie ... Large joint of hamites, from Speeton.
- Rev. S. Creyke ... Ammonites sublævis, from Scarborough.
- Wm. Danby, Esq. ... Fossil wood, teredo antenautæ, portions of plesiosaurus, head of a fish from Sheerness, recent petrification from Knaresborough.
- Earl Fitzwilliam F.R.S., G.S. New species of serpula and pholadomya, from the Speeton clay.
- Rev. John Graham ... Specimens illustrative of the Geology of Ascension Isle and Ceylon.  
A large series of crag fossils, including almost every published species, and several nondescript fossils.
- Mr. Wm. Gilbertson ... Unio crassus, in coal, Wigan ; several fossil ferns.
- John Gibson, F.L.S. ... Series of bones of elephant, rhinoceros, ox, &c. from Ilford in Essex.
- Hon. & Rev. H. E. J. Howard Fossils from the mountain limestone.

Mr. S. Henwood ...	...	Amygdaloidal trap, from Davis's Straits.
The Marquis of Northampton		Series of fossil shells, mostly of existing species, from the tertiary deposits of Palermo.
Cooper Preston, Esq.	...	Series of minute fossil shells from the magnesian limestone of Nosterfield.
Geo. Sherwood, Esq.	...	Two spongiæ from the chalk of Driffeld.
Lady Tyrconnel ...	...	Ferns, and a nondescript plant from the coal series.
Thomas Wheeler, Esq.	...	Mass of sandstone traversed by veins of anthracitic coal, from the sides of a trap dyke, Durham.
S. Woodward, F.G.S.	...	Balani, and minute shells from the crag.

---

## MINERALOGY.

---

Mrs. Best ...	...	...	Sulphuret of Copper, from the Parys mine, Anglesea.
H. Harcourt, Esq.	...		Iron pyrites, from the gold mines of Brazil.
Rev. W. Hincks, F.L.S.	...		Large amethyst from Cork. Lignitic coal from the N. of Ireland, &c.
T. Marshall, Esq., <i>Hartford Bucks. near Northwich.</i>			Select specimens of rock salt, from Cheshire.
Dr. Murray	...	...	Sulphate of strontian, from Scotton, near Knaresborough.
The Marquis of Northampton			Series of Vesuvian minerals, including breislackite, wollastonite, arragonite, comptonite, &c.
W. Salmond, Esq. F.G.S.			Mass of arragonite, Alston Moor.
Miss Wickham ...	...		Crystallized gypsum, from Derbyshire.



## ZOOLOGY.

---

Mr. Allis	...	...	Neretina latissima.
Mr. H. Baines	...	...	Procellaria Bullockii.
Thos. Backhouse	...	...	Wolf from Siberia.
James Backhouse	...	...	Hyalæa tridentata, spongiæ, shells, &c. from Van Dieman's Land.
Mr. J. F. Brown	...	...	Murex saxatilis.
Col. W. Childers,	11th		From India, head and horns of the mouff- lon, ibex, nilghi, axis, gherow, carcar, hog deer, circarra, sichar, tahar, red deer, Indian antelope, buffalo, elephant's teeth, head of gavial, hornbill, adjutant.
Light Dragoons.			
R. Denison, Esq.	...	...	The tippet grebe, the stone curlew.
Mr. E. Elgin,	...	...	Coot <i>m</i> and <i>f</i> .
Mr. Wm. Gray, jun.	...	...	Nautilus pompilius.
Rev. J. Graham	...	...	Head of turtle, from Ceylon.
Rev. W. Hincks, F.L.S.	...	...	Unio ovalis, from near Birmingham.
Col. Harcourt	...	...	Cassicus hæmorrhous, rhamphocerus coc- cineus, trochilus maugianus, t. squa- mosus, and other birds, from South America.
H. Healey, Esq.	...	...	Gadwall, spoonbill, and black rabbit, from Lincolnshire.
Mrs. W. Legard	...	...	Stone curlew, shot at Ganton.
Viscount Morpeth, M.P.	...	...	A fallow buck.
Mrs. Norcliffe	...	...	Testudo græca.

- James Pearson, *York* ... Head and horns of a North American goat.
- C. Rawson, F.G.S. ... East Indian Corals:—*Madrepora corymbosa*, m. *abrotanoides*, *agaricia explanulata*, *astræa crispata*, *pocillopora verrucosa*, &c.
- 22 Birds:—*Tanagra schrankii*, *T. mexicana*, &c.—*Pipra erythrocephala*, *lanius cærulescens*, *picus undatus*, *psittacus guaruba*, &c. &c.
- By Subscription ... *Astræa retiformis*, *a. deformis*, *meandrina dædalea*, *caryophyllia sinuosa*, *c. fasciculata*, *c. astreata*, *agaricia ampliata*, &c.
- Voluta diadema*, *V. proboscidalis*.

---

## BOTANY.

---

- Mr. G. Munby ... Herbarium of Scotch Plants, which obtained the gold medal of the Botanical Professor in Edinburgh.
- H. Harcourt, Esq. ... Leaf of the Talipot Tree.  
(*Licuala spinosa*.)  
Fan made of the Leaf
- Mr. R. Burdekin ... Cedar Cone
- Rev. W. Taylor ... Guinea Corn

## COINS AND ANTIQUITIES.

---

Mr. Eshelby	...	...	A Roman sepulchre formed of large tiles, found near Dringhouses.
Lady Macdonald	...	...	A large earthen jar, found near Thorpe Rudston, supposed to be Roman, or Roman-British.
W. C. Maxwell, Esq.	...	...	3 coins, Gratianus ; Valens ; and Valentinianus, <i>au.</i>
The Lord Mayor and Corporation of York.			46 Roman coins: Nero ; Domitianus ; Constantinus M. etc. <i>æ.</i> 1, 2, 3, found on removing the rampart near Bootham Bar.
			47 Northumberland stycas ; a penny of Henry VIII. ; many fragments of Roman pottery, and of other articles in brass ; bricks and ashlar stones from the Roman wall, discovered within the rampart ; a large stone bearing the following inscription :

DEO. SANCTO  
SERAPI  
TEMPLUM A SO  
LO FECIT  
CL. HIERONY  
MIANUS. LEG.  
LEG. VI. VIC.

H. Robinson, Esq.	...	...	2 Roman denarii.
Mr. Shepherd, <i>Craike</i>	...	...	A curious stone, apparently an ancient dial.
Mr. J. Turner	...	...	A small sculptured stone, and several fragments of Roman pottery, found in Goodramgate.
Samuel Woodward, F.G.S.			Impressions of monastic and other ancient seals.

## DONATIONS TO THE LIBRARY.

---

Mrs. Anderson	...	...	Norman Antiquities, folio, plates, by G. Anderson, Esq.
Mrs. Best...	...	...	Adams on Morbid Poisons, 4to ; Willan on Cutaneous Diseases, 4to ; Keats's Observations on the Fifth Report of the Commissioners of Military Inquiry, 4to ; Fourcroy's Tableaux Synoptiques de Chimie, folio ; Hunter's Georgical Essays, 3 vol. 8vo. ; Gibson on the Effect of Madder Root on the Bones of Animals, 8vo ; on Blight in Corn, 8vo ; Saunders on Mineral Waters, 8vo ; Darwin's Zoonomia, 4 vol. 8vo ; Fyfe's Compendium of Anatomy, 3 vol. 4to ; Willan on Vaccine Inoculation, 4to ; Bell on the Brain, 4to.
British Association	...	...	Reports of the Meetings of the Association at York and Oxford, in one volume, handsomely bound.
Bristol Institution	...	...	Report for 1832.
Cambridge Philosophical Society	...	...	Transactions, Vol. IV. Part 3, 4to. ; V. Part 1, and Laws of the Society.
Mr. F. J. Copsie	...	...	Grew's Anatomy of Vegetables, 12mo. Memoir of the Mastodon, 8vo. Ellis on Corallines, 4to, plates.
Wm. Carey, Esq. (the Author)	...	...	Ridolfi's Critical Letters on the Style of Wm. Etty, Esq. 8vo.
Professor Christie, F.R.S., (the Author)	...	...	Experimental determination of the Law of Magnetic Induction, 4to.

W. Danby, Esq. ...	...	Translations from Cicero, 8vo, 1832. Journal of the Royal Institution.
Dr. Fitton, F.R.S., G.S. ...	...	Notes on the History of English Geology, 8vo. ; Geology of Hastings, 12mo.
Geological Society	...	Proceedings, No. 28, 29, 30.
Wm. Gray, jun. Esq. ...	...	Russell's Chart of the Moon.
Hon. and Rev. W. Howard	...	Patarol, Series Augg., 8vo.
C. J. Hanson, Esq. ...	...	Spilsbury's Views of the Holy Land, folio.
Halifax Lit. & Phil. Society	...	Report for 1831-2.
Leeds Phil. & Lit. Society	...	Report for 1832-3.
J. W. Lubbock V.P.R.S. (the Author) ...	...	Mathematical Tracts, 8vo.
M. De Luc ...	...	Memoires sur plusieurs especes de roches eparses dans le Bassin de Geneve (1830).
J. Murray, F.H.S. (the Author)	...	On Vegetable Physiology, 12mo. Chemical Recreations, 12mo.
Mr. G. Merryweather ...	...	Description of an Apparatus invented by himself for maintaining uniform tem- perature, 8vo.
Scarborough Phil. & Lit. Society	...	Reports for 1831-2-3.
Society of Arts ...	...	Transactions, Vol. XLIX. Part 1.
Ven. Archdeacon Todd ...	...	Chronicon Cænobii Sanctæ Crucis Edin- burgensis ; Twelve Views of Bolton Abbey, in Yorkshire ; Account of York Missals ; a Tract published at York in November, 1688 ; a Sermon, (1754) by the Rev. Thomas Hunter ; a Sermon, (1718) by the Rev. Thomas Burnard ; a Sermon by the Rev. Richard Fawcett ; a Sermon, (1818) by the Rev. Isaac Maughan ; Letters on the esta- blishment of an University at York, (1831) ; Collections relating to Bene- fices in Cleveland. 50 copies of an an- tiquarian map, illustrating the ancient roads and earth-works in the township of Langton on the Wolds.

Messrs. Todd	...	...	View of the Ascent of Mont Blanc, by Saussure (Aug. 1785).
Rev. W. Whewell, F.R.S., (the Author)	...	...	Bridgewater Treatise on Astronomy and General Physics.
H. T. M. Witham, F.G.S. (the Author)	...	...	On the Internal Structure of Fossil Ve- getables, 4to, plates.
S. Woodward, F.G.S. (the Author)			Geology of Norfolk, 4to, plates; Plan of York, 1726.
J. Walker, Esq.	....	...	Observations on Ocellum Promontorium, 4to.

---

## PHILOSOPHICAL APPARATUS.

---

The Earl of Tyrconnel	...	A large collection of chemical and electri- cal apparatus; including two oxyhydro- gen blowpipes, hydraulic blowpipe, gaso- meters, pneumatic troughs, air-pump, Aikin's portable furnace, balance, ther- mometers, graduated jars, retorts, con- necting tubes, stopcocks, and an abun- dance of tests; electrical machine and apparatus, galvanic batteries, &c. &c.
-----------------------	-----	--

---

## MISCELLANEOUS DONATIONS.

---

Rev. S. Creyke	...	...	Bow and arrows in a case.
C. Rawson, F.G.S.	...	...	Malay crease, Greek sculptured head.

## M E M B E R S

ELECTED FROM JANUARY, 1833, TO JANUARY, 1834.

Barber, Silburn, *Tang Hall, York.*  
Cluderay, John, *York.*  
Crabtree, Wm., *York.*  
Foulis, Mark, *Heslerton, Malton.*  
Healey, Henry, *High Risby, Lincolnshire.*  
Hobson, Richard, *York.*  
Markham, Col., *Becca, near Aberford.*  
Proby, John, *York.*  
Richardson, William, *York.*  
Terry, Joseph, *York.*  
Thompson, H. S., *Kirby Hall, Boroughbridge.*  
Walker, Thomas, *York.*  
Wood, John, *London.*  
Wood, Richard, *York.*

---

## DONATION.

Francis Chantrey, R.A., F.R.S. £.50   0   0

---

(*Thomas Wilson and Sons, High-Ousegate, York.*)

*Presented*  
13 MAR 1886























